

Technical Specification

R410A Split System

Indoor Unit		Unit	COOL ONLY			
			42KHB018H	42KHB024H	42KHB030HN	42KHB036HN
Unit Size	Cooling	TR	1.5	2.0	2.5	3.0
Capacity at T1		BTU/h	18,000	22,000	31400	35,800
Capacity at T3		Watts	5,275	6,448	9,203	10,492
		BTU/h	16,000	19,800	27200	31,000
	Watts	4,689	5,803	7,972	9,086	
Power Supply	V-Ph-Hz		220-240/1 - 50			
Total System Power Input (OU + IU) at T1	Cooling	Watts	1500	1880	2730	3086
Total System Power Input (OU + IU) at T3		Watts	1760	2300	3200	3735
EER at T1		Btu/W-h	11.8	11.6	11.50	11.6
EER at T3		Btu/W-h	9.0	8.3	8.5	8.3
Air Filter Type	Washable air filter					
Air Flow Rate (High/ Medium/ Low Speed)	CFM	647/518/453	676/529/465	776/665/594	965/811/681	
Indoor Sound Pressure Level (High/ Medium/ Low)	dBA	47.5/41/37	49/42/38	51/47/43	51/47/43	
Net Weight	kg	14.5	15.0	19.8	24.0	
Dimensions (W x D x H)	mm	1082x338x225	1082x338x225	1259x362x282	1450x340x266	
Pipe Connection Size	Liquid	inch	1/4"	3/8"	3/8"	3/8"
	Suction	inch	1/2"	5/8"	3/4"	3/4"
	Drain	inch	5/8"	5/8"	5/8"	5/8"
Outdoor Unit		Unit	COOL ONLY			
			38KHB018H	38KHB024H	38KHB030HN	38KHB036HN
Power Supply	V-Ph-Hz		220/240-1-50			
Compressor Type			ROTARY		SCROLL	
Refrigerant	R410A					
Refrigerant Pipe (Max Length)	Vertical + Horizontal	mts	20	25	25	30
	Vertical (OU & IU)	mts	8	10	10	20
Recommended Wire Size/No. of Wires for Power Supply to Condensing Unit *	mm ² /qty	2.5 / 2 + 1 Earth			4.0 / 2 + 1 Earth	
Recommended Wire Size/No. of Wires for Control from FCU to Condensing Unit *		2.5 / 3	1.0 / 4		1.5 / 4	
Dimensions (W x D x H)	mm	845x363x702	946x420x810		900x350x1170	
Net Weight	kg	47.0	63.0	68.5	91.5	
Max Outdoor Air Temperature Operation	°C	52				

18 - 24K



30-36K



- T1 conditions: Indoor Air Temperatures 27° C (DB) / 19° C (WB) and Outdoor Air Temperatures 35° C (DB) / 24° C (WB)
T3 conditions: Indoor Air Temperatures 29° C (DB) / 19° C (WB) and Outdoor Air Temperatures 46° C (DB) / 24° C (WB)
- The Cooling capacity mentioned above is Gross Capacity.
- All specifications subject to change without prior notice according to Carrier policy of continuous development.

Green
High Wall
Cooling Only Type
High Ambient Application

Dual Purification System

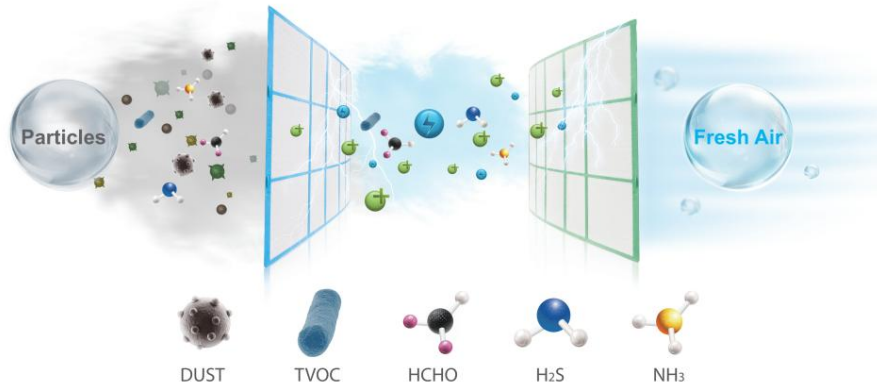
The Dual Filters protect you from harmful particles to make you live a healthy life.

1 First Guard

The Dust Filter filters out dust and harmful particles from the indoor air.

2 Second Guard

The fresh filter options provide different functions to fresh the air.



Washable High Density Filter

Enhanced filter capacity, remove the micro dust from the air.

Filter Type	"Ordinary "	"HD"
Quantity of Holes per cm ²	156	255
Hole Size (mm)	1.2*1.2	0.54*0.54



"Ordinary Filter" VS "HD Filter"

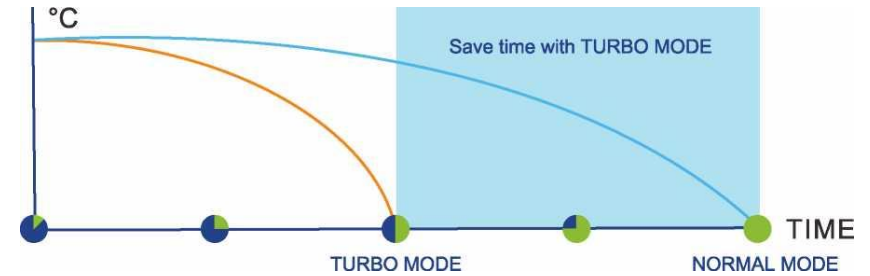
Cold Catalyst Filter

Eliminate formaldehyde and other volatile organic compounds (VOCs) as well as harmful gases and odors.



Quick Cooling by Turbo Mode

With this function, the air conditioner will maximize the output of cooling or heating capacity, make the room cool down or heat up rapidly, and attain the desired temperature in the shortest amount of time.



Even Cooling by Four Way Air Distribution

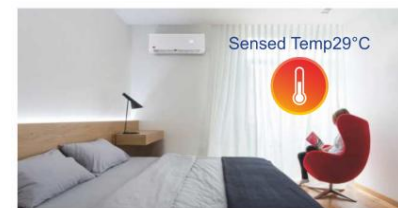
The louver can be manually or automatically directed in four directions up, down, left and right, ensure an even distribution of air throughout the room.



* The left and right direction is manual control for selected models.

Keep Cooling by Follow Me

Sense the surrounding temperature by the built-in sensor of remote controller, to adjust the room temperature more accurately.



Without "Follow Me"



With "Follow Me"

Design For Convenience

My Mode

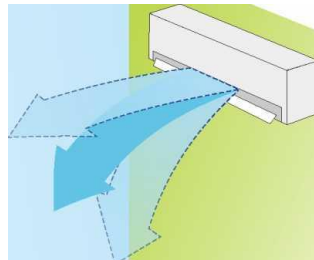
The air conditioner remembers your preferred operating mode and you can enjoy cooling off with the auto-start adjustment of your settings.



Press the 'My Mode' button and the air conditioner will remember your preferred options, and you can enjoy the same coolness setting as last time.

Louver Position Memory

When you start the unit next time, the angle of horizontal louver will automatically move to the same position as you set last time.



Previous Air-Flow Angle

Manual ON/OFF Button

In case the remote controller is lost, the manual mutton can be used to turn ON/OFF the unit temporary, and the structure design is more easy to access.



Old Design



New Design

New Remote Control

On/Off

Press to start operation.
Press again to stop.

Mode

Press the mode button to switch the mode in turn.

My Mode

Press to memorize or resume your favorite pre-settings.

Swing

Starts and stops the louver movement.

Fix

Used to set the desired up/down air flow direction. The louver changes 6 degree in angle for each press.

ECO Sleep

Press to enter Sleep Mode

LED

Press to turn on/off the LED display.

The backlight LCD

Allows easy operation in the dark.

Fan

Press to select the fan speed.

Temperature UP

Increases temperature in 1 °C increments.

Temperature Down

Decreases temperature in 1 °C increments.

Timer Off

Press to set the timer to turn unit off.

Timer On

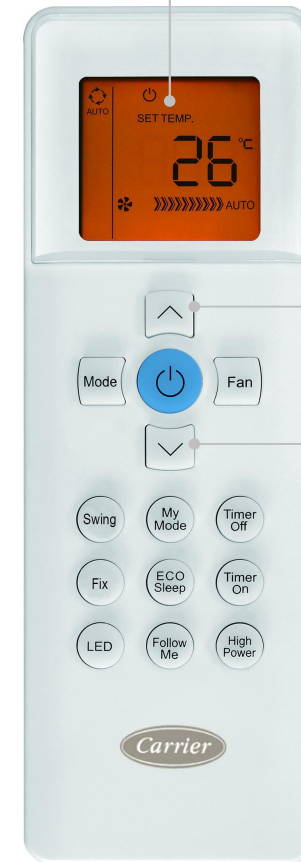
Press to set the timer to turn unit on.

Follow Me

Press to activate or clear the Follow me function..

High Power(Turbo)

Press to activate/disable the High power function.



Note:

1. Above illustration shows all the features. For actual model, only the relevant parts are shown.
2. Buttons design might be slightly different from the actual one.



ABOUT CARRIER

Built on Willis Carrier's invention of modern air conditioning in 1902, Carrier is a world leader in heating, air-conditioning and refrigeration solutions. We constantly build upon our history of proven innovation with new products and services that improve global comfort and efficiency.

The Invention That Changed the World

In 1902, Willis Carrier solved one of mankind's most elusive challenges by controlling the indoor environment through modern air conditioning. His invention enabled countless industries, promoting global productivity, health and personal comfort.

Today, Carrier® innovations are found across the globe and in virtually every facet of daily life. We create comfortable and productive environments, regardless of the climate. We provide solutions, services and education to lead the green building movement.

These mark just a handful of the ways Carrier works to make the world a better place to live, work and play.